Amendments to the Drawings:

Please replace Fig.6 with the Fig.6 included on the attached replacement sheet.

Attachment: Replacement Sheet   1 page

5

REMARKS

The drawings are objected to because in Fig.6 "<=" is used to indicate assignment of a value; however, "<=" can easily be interpreted as "less than or equal to".

A replacement sheet for Fig.6 is included having all the "<=" symbols replaced with a

5   true leftward pointing arrow "←" to indicate assignment as was suggested by the Examiner. No new matter is included.

The disclosure is objected to because adjacent words run into each other. Eg., paragraph 9, line 12 "formsa", line 14 "thespatially" and "avariable", line 17

10   **"toconvert", claim 10, line1 "ina".**

Several missing space errors in the specification, abstract, and claims (claim 10) caused due to the electronic filing system are corrected in the above-described amendments to the specification. No new matter is entered.

15   **The claims are objected to because in claim 9, line 8, per Fig.4, refs 410 & 412 and the last four lines of paragraph 41, "A0" should have been "A1"**

Claim 9 is amended to change "A0" to "A1" to match that shown in Fig.4 as pointed out by the Examiner. No new matter is entered.

20   **Claim 1 is rejected under 35 USC 103a as being unpatentable over Lin et al. (US 6,563,953), and further in view of Hayashi (US 5,717,462)**

Claim 1 is amended to include the limitation that the first circuit and the second circuit operate in parallel <u>for setting the A0 bit equal to the Y0 bit and setting the A2 bit equal to the Y1 bit if the X0 bit is equivalent to the D0 bit, otherwise setting the A0 bit equal to the X0 bit.</u>

25   No new matter is added. In particular, such operation is shown in each of the example embodiments of Fig.2-6, and a very similar wording of the underlined portion (the newly added limitation) is found in claim 10 as originally filed.

Applicant asserts that claim 1 should now be found allowable with respect to the prior art for at least the same reason as claim 10 was found allowable. In particular, none of the prior art teaches or suggests setting A2 to Y1 as long as X0 is equivalent to D0. Claims 2-9 are dependent upon claim 1 and should therefore also be found allowable for at least the same

5   reason as the base claim 1.

Reconsideration of claims 1-9 is respectively requested.

Claims 3, 5-7 and 9 are rejected under 35 USC 103a as being unpatentable over Lin et al. (US 6,563,953) and Hayashi (US 5,717,462) as applied to claim 1 above, and further

10   **in view of Ericsson (US 5,001,560)**

As previously mentioned, claims 3, 5-7 and 9 are dependent upon base claim 1 believed allowable by the applicant. Therefore, claims 3, 5-7 and 9 should also be found allowable for at least the same reasons provided above. Reconsideration of claims 3, 5-7 and 9 is respectfully requested.

15

Allowable Subject Matter; Claims 10-17 are allowed; Claims 2, 4, and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
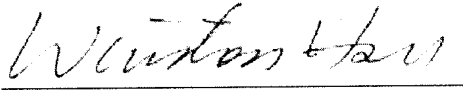
20   Applicant has added new claims 18-20 corresponding exactly to claims 2, 4, and 8 previously found allowable by the Examiner if written in independent form. No new matter is entered. Specifically, new claim 18 is original claim 2 written in independent form, new claim 19 is original claim 4 written in independent form, and new claim 20 is original claim 8 written in independent form.

25

Reconsideration of claims 1-9 with respect to the currently amended base claim 1 is respectively requested.

Sincerely yours,

Winston Hsu

Date: _____04.03.2007_____

Winston Hsu, Patent Agent No. 41,526

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10   Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C.
is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)